

Title (en)

Toughened structural epoxy adhesive

Title (de)

Schlagzähmodifizierter Strukturklebstoff auf Epoxid Basis

Title (fr)

Adhésif époxy structurels présentant une résistance aux chocs améliorée

Publication

EP 1728825 B2 20131023 (EN)

Application

EP 05011908 A 20050602

Priority

EP 05011908 A 20050602

Abstract (en)

[origin: EP1728825A1] The present invention relates to compound comprising an elastomeric prepolymer residue selected from the group of a polyurethane, a polyurea and a polyurea polyurethane having isocyanate end groups, the isocyanate end groups of said prepolymer residue being capped by a primary aliphatic, cycloaliphatic, heteroaromatic and/or araliphatic amine and/or a secondary aliphatic, cycloaliphatic, aromatic, heteroaromatic and/or araliphatic amine and/or a thiol and/or an alkyl amide and optionally by a phenol and/or a polyphenol. This compound can be used as a toughener in a curable composition.

IPC 8 full level

C08L 63/00 (2006.01); **C08G 18/10** (2006.01); **C08L 75/00** (2006.01)

CPC (source: EP KR US)

C08G 18/10 (2013.01 - EP US); **C08L 63/00** (2013.01 - EP US); **C09J 163/00** (2013.01 - KR); **C09J 175/02** (2013.01 - KR); **C09J 175/04** (2013.01 - KR)

Citation (opposition)

Opponent :

- WO 2005007766 A1 20050127 - DOW GLOBAL TECHNOLOGIES INC [US], et al
- WO 9617880 A1 19960613 - DEXTER CORP [US]
- EP 0338985 A2 19891025 - CIBA GEIGY AG [CH]
- US 5194502 A 19930316 - SAITO ATSUSHI [JP], et al
- EP 0457089 A2 19911121 - BAYER AG [DE]
- J., FALBE ET AL.: "Excerpt Römpf Chemie Lexikon", vol. 9, THIEME, pages: 1459
- Excerpt Pubchem "4-(methylamino)phenol", pages 1-10
- Excerpt International Chemical Safety Cards "4-(methylamino)phenol", pages 1-3
- Experimental Report, facsimile letter dated 20.09.2012, pages 6-7, paragraph 2.2.2.1 "Object of the present invention"
- Cited Board of Appeal decision T 190/99

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